
(Figs. 1-ふ.)
[n 1875 the late Sir William John (then Mr.) Macleay litted min and comducted a scientific expedition for "a few months' ernise among the hands of New (ininea and T'omes Straits," for which purpose he chartered the barque "Chevert." As a resilt of this expedition, which ocoupied abont six months, a large amomot of material was collected, and a momber of papers dealing with it were published in the two first volnmes of "I'lie Proceedings of the Limean society of New Sonth Wales." Of the material thus collected, the Araneide were entrusted to the late Mr. H. II. Burton Bradley, and the greater part of it was worked ont by hom, the results being recorded in three short papers ${ }^{1}$. 'The total number of species emmerated was forts-three, of which fonrteen were described as new. since the demise of the anthor referred to, Mrs. Bradley, his widow, has presented to the Trustees of the Mnscum a collection of Anstralian and Papman Araneide. 'The last-mamed series is especially interesting, since it proves to be of the Family Avicularidæ, and is labelled: "Papua: Chevert Expedition." No Terretelarice were incladed by Mr. Bradley in his papers, owing, donbtless, to the porerty of literature non the sulgect at that time, and to which, small though it was, access was matmally difficult if not impossible.

The majority of the species worked by Mr. Bradley were of the Family Argiopida; in addition to these there were a few 'lheridiidar, one of the Pholcidæ, one of the Zodarida, and a conple of the Clubionidie.

The Terretelarians, of which the present paper deals, inchades some interesting forms. The genera represented are Missulem, Walck., me species: Ammitis, L. Koch, two species; Isclmorolus, Auss., one species: hlowtis, 1. Koch, one species; Hultomyrhe, L. Koch, one species; and Amepsindu, Rainb. and Pull., one species. Alsn, inchoded in this collection there are a comple of matme specimens, and three half-grown examples of He.rathelp, Anss. If there be no mistake about the locality label, then the ocenrence of this genns in Papma is particulaty interesting, since mory two species of the genms have been recorded up to the present, and both of these are from New Zealand‥ For further comments in respect of tho genus moder discussion see conchasion of this paper.

The student will mote that in the descriptions given below, the falces are not included in measurements.
${ }^{1}$ Bradley-The Aranemes of the "Cohevert" Experlition, Part 1 (Pioc. Lian.

 1. 115 ).


> Fumily A VICCLARIDA.
> sub-fimeit! Ammaponse.
> Feии: Missnlena, WieliFi.
> Miscllena meatorta, \|rimp.
 1.7.. Ins. des Apt., 1~37, p. 25:3.

O7, -This species has been recorded from many parts of Anstralia, particularly the Kastern, Southem and Western areas. More recently, howerer, I hare seen examples from the far North, so that comsidering the former land conmection of Anstralia with Papra, the above record is not remarkable for so common and widely distribnted a species.
Hub.-Papna.

$$
\begin{aligned}
& \text { rienus Arbanitis. K. Kouth. } \\
& \text { Arravitis mhloses. efo mu. }
\end{aligned}
$$

(Figs. 1-3.)
 long, 5 mm . broad.

C'pplatuthorux-Obovate, malogany brown, clothed with goldenvellom hairs. Pars repluchir, arched, moderatels high, segmental groose broad, deep, sides not compressed: wenlui wren broader than loug, raised, arched, fringed in front; "lypels yellow, namow, thancaterl. P'us thmurime broad, arched, radial gronses broad, moderately deep; thom ir foren deep, straight: murfinul lumil broad, fringed with long hairs. Liyps.--Distribated over two rows of fonr each: frout row strongl? promred; rear mow procurved in front, recmrved behind; anterior lateral. elliptical, poised on black rings, and separated from each other by a space equal to that of three timen their own individnal diameter; rear medians ronnd, as large as their anterior lateral neighbons, separated from each other by a space equal to that of one-half their own indicidnal diameter. and each again from it. lateral meighbour by rather more than that space; rear lateral eyes rather smaller than the anteriors. from Which they are selarated by about once their own individual diameter, elliptical, poised


Fis. 1. obliqnely, and momuted on black rings: rear merlians small, elliptical, each jnst tonching the ring of its onter meighbonr' ; they are also very close to the anterior medians, each being removed therefrom by a space acarcely equal to that of its own diameter (Figr l).
a For fuller synonomy of species recorder in this paper, see my C'ensus of


Leys - Long. concolorous with cephalothorax. densely clothed with long golden-yellow hairs but displaying maked areas: each tibia and metatarsus. bespined: metatarsi and tarsi i. and ii. scopulated; tarsi iif. and iv. alson acopulated: tibia i. fumbled with an apophysis: relative lengths: 1-4, 2, 3. P'ulpi.-Morlerately long, concolorons with legs, and similar to then in clothing: tibia inflated. and furnished with au apophysis: tarsal joint small. and armed with strong spines: balls shininge bilobed. priform, slightly twisted, style grooved, short (Fig. -2). f'uler.-Moderately stiong, concolorons with cephatothorax, clothed with louge, coarse ?rolden-yellow lails but displaying naked areas: immer angle of the furmow of each falx armed with a row of six strong teeth, and the outer with several


Fig. 2. small ones: beard red, fang long, well enrved, shining, reddish-brown. Murillu. - Arehed, reddish-brown, hairy, furuished with a few small scattered spines: heel well rounderl, inner angle of the apex of each falx terminating in an obtuse puint; beard red. Lubinm.-Conculorons, free, submerged, broader than long, arched, hairy, a few spines near apex. stermum-Concolorons also, lairy. somewhat pyriform, arched, longer than broad, and terminating obtnsely between fourth coxa: sigilln small, marginal. Abrumen.-Oburate, slightly overlanging base of cephalothorax, arched. chocolatebrown, densely clothed with long gellowish haiss. sjumnerets-Brown. hairy: saperior pair stont, first joint lomgest, and the third shortest and dome-shaped: inferion spimers short. crlindrical, close together, and touching each other.
 mim. lung. $11 \because \ldots \mathrm{~m}$. bivad.

C'epholuthonne-Ubovate, choculate-brown, meven, cluthed with long gohlen-yellow hairs. l'us crphulich ascending, arched, somewhat compressed, sides declivous. throracic groore distinct: m"ulur uren black, broader than long, raised, arched, friuged in tront with a few stiff bristles: rlypers transwersely wrinkled, deep, sloping forward, lyaline, tinged with reddish-brown, indeuted at middle. P'ers thercucte broad. retreating. gently arched, radial grooves and depressions profonnd: thentucic focen deep, slightly recurved: meryimel hum! broad, yellowish, hain!. E'ges.Distributed over two rows of four each; front row strongly procurved, rear row procnrved in front and recurved behind: front lateral eyes largest of the group, somewliat elliptical,


Fis. 3. poised obliquely, mounted on black rings, and separated fiom each other by a space equal to that of three times their own indiridual diameter' : anterior medians sound, aud separated from each other by a space equal to fully once their own individual diameter. and each again from its anterior lateral neighbour by less than that space; posterior
lateral eyes nearly rommand equal to anterior medians in size ; lateral intemediates minnte, elliptical, and each slighty removed from its laterat neighbour (Fig. 3). Legs.-Concolorons with cephalothoma, chothed with long golden-brown lairs and black bristles, but displaying naked areas: each leg armed on inmer side with strong spines; meta-tarsi and lansi i. and ii. scopulated; relative lengths: $4,1,2,: 3$. Palpi.-Strong, similar in colomr, elothing and armatme to lers i. and ii.: tarsi sopulated. Fielios.-Chocolate-brown, projected well forward, clothed with coarse hatrs and bristles, but displaying maked areas: fostollmm eomsists of several thanserse rows of strong tecth; inner angle of the furrow of each falx armed with a row of eight stomg teeth, and the onter with nine small ones; fin!y long, dark brown, nearly black. Mw, illw.-Reddish-brown, moderately arched, densely clothed with long hains: heel well rommed; no spines present. Labinm.-Concolorons, longer than broad, archedt: submerged; m spines. Slernum.-Yellowish, pyriform, temminting obtusely between fourth coxie, densely clothed with long hairs: sigill. marginal. Ablommo-Obovate, chocolate-brown, wrehed, densely hairy. spinnerets.-Stont, rellow, hairy; first joint of shperior pair longent, the thind shortest, and dome-shaped; inferior pair very short and close together.

Olis-One mate and several females. In alcohol the abdomen of some of the latter show faint indieations of a colone pattern in the shape of thin broken transerse lines of yellow.
Hub.-Papuas.

## 

(Figs. 4-6).
$\sigma^{2}$ Cephalothorax, 8 mm . long, 6 mm . broal ; abdomen, \& mm. long, 6.3 mm . broad.

C'ephulmorma. - Obovate, yellow-brown, meven, cluthed with yellowish haiss. I'ms cephetion gently ascembing, arehed, moderately high, sides compressed, segmental groose distinct: monlor mon bromber than long, dark brown, raised, fringed in front with a few stiff bristles :
 broad, arched, radial grooves broad, deep): thomerie fore deep, stratight: mentyinul lumil booal, undulated, fringerl with lomg hairs. LEyes.Distributed over two rows of fonr each: fromt row pormored, the rear straight in front and recurved behind : anterion laterals elliptical, poised sbliqnely, momited on black rings, and separated from each othere by a space equal to twice theirown indivilual diameter; anterior medians romad, separated from eath ofther by a space equal to one-half their own individual diameter, and each again from its lateral meighbonr by the same space : postorion laterals smatler than


Fis. 1 . the fromt medians, elliptial, poised somewhat whliguely, and separated from the front laterald he a space equal to sather more than once their own individmal diameter; rean medians small,
ahmost romm, each just tonching its lateral neighbony (Fig. 4). Loys. long, concolomons with cephalothomx, hairy bont displaying naked weas, fibiae and metatarsi berpined; tihia i. furnished with ans apmphysis; metatans and tani i amd ii. seopulated; tansi iii.


Fis. 5.
 I'alpi-Moderately long, concolomons with cephalothomax, hairy: tibia intlated and linolished with a spined apoplissis; tarsi small, bespined: bulb shining, bilobed, style slightly twisted, gromed, amb moderately long (Fig. 5). Finters- Concolorous with cephalothax, projected well forward, moderately strong, hairy, but displaying maked areas; miner angle of the finrow of each fals armed with a fow of six strong teeth, and the onter with a row of mine very small teeth, of which latter the three nearest the fang are the larqest and widest apart ; rustellum consists of two transverse rows of teeth; fang long, well curved. Marillw. - Reddish-yellow, arched. hairy, apex of inner angle terminating in an obtuse point: heel well rounded; no spines present. Jabium.-Concolorons, short, broad, arched, fiee, hairy, submerged; no spines present. Sternum.-Concolorons also, pyriform, moderately arched, hairy, and terminating obtusely between fonth coxa: sigille small, marginal. Ablomen.Ovate, arched, slightly overhanging base of cephalothomx, hairy; snperior surface chocolate-brown, omamented in front with three large rellow spots, which latter are close together and nearly confluent; below these there is a series of transierse, slightly curved, broken yellow markings, of which the front pair are the largest; inferior surface yellow (Fig. 6). spinnerets. - Yellow, hairy: tirst joint of superior pair longest, and the thind shortest and dome-shaped: inferior spimerets cylindrical,


Fis. 6. and once their own individual transerse diameter apart.

Ols.-Two mature males and one half-grown female. dudging by the latter the sexes are much alike both in colom and abolominal ormamentation. The stemmm appars to be relatively broader than in the male, and the inferior spimerets are quite close tugether instead of being once their own individual transerse diameter apart.
Mub.-Рариа.

$$
\begin{aligned}
& \text { Girmu: Ischnocolus, Alsis. }
\end{aligned}
$$

Larltureulus Imerlorume, L. Koch, Die Arach. des Anstı:, i., 1874, p. 487, pl. xxxii., figs. 4 , tu; Hocre, Proc. Kool. Soc., Lond., 1901, p. 244.
(1)s.-One specimen of what appears to be the above, and which agrees very well with L. Koch's description and figure is included among the " Chevert" material, but it is, as suggented by Hogg (s"firi), ill all probability a young example of some other gemms. The specimen muler discossion has its tarsal seopula divided by a fine line of setax, but Arr. R. .l. Poeock has pointed ont that amomer those species which in the allult state have an integral sompala, the latter is alway more or less divided in the earlier stages. As there is only one example in this eollection, amd that one damaged, I prefer to follow the example of my friend, Mr. H. R. Hogg, and to let the matter remain as it stands for the present. Koch's type came from Port Mackay, North Qucemshant.
Hub.-Р'apua.

S'ub-jumity BARYOHELINA.
lieuns Idioetis, L. Kind.
Hhoctis paptexsis, ef wor.
(Fig. 7.)
 long, $3 \because \mathrm{~mm}$. bruarl.

C'ephuluthorer'. Obovate, elongate, yellow. I'ars rephellicu ascemting, arched, high, sides compressed, segmental groove distinct: monler urou bromder than long ; clypens narrow. P'us: thorncicu arehed, nneven, matial growses rather deep: thomaric focen stamight: momimal lmal fringed with rather long hairs. Fifes-Distributed over tworms of fom each; front row touching elge of clypens, well procurved; rear row recurved behind: front laterals largest of the group, elliptieal, poised whiquels, and three fimes their own individnal diameter apart : anterion intermediates romal, separated from cath other by a space equal to that of ome-half their own individnal diameter, and each again from its lateral meighbom by a simila spate ; rear latembs mather smaller than the anterior intermediates, elliptical, obliquely. poised, amd each separated firom its anterion lateral neighbour by a spate equal to ome-and-a-


Fis. 7. hall its wirn diameter ; rear intermediates minute, each just tonching the onter ring of its lateral mighbome (Fig. 7). Lays.-Coneohorons with cephatothoma, moxderately long, rather stong. hairy but displaying maked areas, each ammed with rather loug thongh
 loulpi-lang, stong, similar in colomr, chothing and ammature to legn ; tarsi seopulated. R'mber. Concolorons with rephatothomax, projecting, arehed, hairy, but dinplaying maked areats: immer ridge of the furmow of cach fals armed with a row of six teeth; a light iftelellum present.

[^0]Murillw.-L'ale yellow, rather short, broad, arched, hairy, apex of imer angle obtusely pointed; mospines present. Luthimm.-Concolomons, short, broader than long, arehed, almost triangular, widest at base, moderately hary, apex fringed with dark bristles: no spines present. stpormm.Concolorons, lomger than broad, arched, almost parallel-sided, moderately cothed with roarse hains; sigillw small, mangimal. Almomm, -()bovate, hatr, arched, just werhamging base of ecphatothorax ; snperion surface yellow-hrow, mamented with five shom, narow, cmped, tamserse yellow bars, the tirst three of which are broken at the middle; sides and inferion surface pale yellow. Spimmerels.- Yellow, hairy, short; snperion pair stont, tapering, first joint longer than the second and thist combined, terminal joint shortest; inferior pair very short, cylindrima, and separated from each other be a space equal to that of once their own individual diameter.
llub.-Papua.

## 

Gemus Hadronyche, L. Korl.
Hadronyche hibshta, mor.
(Fig. 8.)
\& Cephatothorax, 10 mm . long, $11 \cdot 2 \mathrm{~mm}$. hroad; abdomen, $12 \cdot \mathrm{~mm}$. long. 9.9 mm . hroad.

I'rphlulollown'-Obovate, malogany-brown, moderately hairy. I'm: ceplution ascending, high (thongh not so much so as in Missulemu, Walek.), shining, well arched, smooth, segmental gioove deep; wether wrou broader than long, not raised; m!peus narow, truncated. P'us: flonction meven, arched, radial grooves deep: thomoric foren deep, proenred ; murgimt lucut broal, yellow. E!ts.-Distributed over two mows of four each; anterior row straight in front, slightly recurved hehind; rear row also straight in front but reenrved behind; anterior lateral eyes largest of the serjes, elliptical, and proised on black rings; fromt medians ronnd, separated from each other by a space equal to once their own individual diameter, and each again from its latemal neighbour by about half that space; rear laterals


Fig. s. elliptical, each sparated from its anterior lateral neighbonr by a space equal to that of one-half the diameter of one of the front median eres ; rear intermediates romb, each jast tonching the ring of its ouler neighbonr ; rear row slighty longer than the anterior (Fig. 8). Legk-Stromg, not long, eoneotorons with cephatothomax, demsely hairy, but displaying naked areas; each metatarsus armed with a donble row of spines; there are also three or fon strong spines on tibiae i . and i . : scopula and spines on all four tarsi; relative lengths: 1, 4. 2, :3. Pulpi.- Short, stont. concolorons with legs, densely hairy, tibise and tassi armed with numerons
spines. Fulces.-Powerfnl, projecting, thickly chothed with long hairs, but displaying naked areas; immer angle of the furrow of each falx amed with fifteen strong teeth, and the outer with ten ; between these two rows there is a dense claster of very small teeth; fang well cmred, long, almost black. Vurillw.-Moderately long, reddish-brown, well arched, clothed with long hairs, apex of inner angle terminating in an obtuse point, inner area densely spined. Luthinm.-Concolorons, free, longer than broad, well arched, moderately clothed with long hairs, apex densely spined. Ntermm. -Concolorons also, somewhat pyiform, deeply excavated in front, arched, thickly elothed with long haiss; sifill," marginal, anterior and median pairs small, posterior pair sather large. Abrlomen--Oborate, dark-brown, arched, slightly overhanging base of cephatothorax, densely haity. šim-nerts.-Yellow, short, stont, hairy superior pair tapering, tirst joint longest, second shortest, the third coniform ; inferior pair chose together. cylindrical, apices truncated.
(1)w.-The species described above is very distinct from that of $H$. cerferen, L. Koch. In the female of the species quoted, the anterior row of eres is recnrved, instead of being straight, and the front medians are the larest of the series; in the male this row is straight, hat the relative sizes are the same. The ablomen is ronnd, as broad as long and only sparingly hairy, whilst in $I /$. hirsulu (sum $\quad$ it it is oborate and densely collied with hairs. These points serve easily to differentiate the two species, but the stmdent is directed to Koch's description and lignmest.

Hub.-Papua.
liemus Anepsiada, Riviml. I Prull.

Ampsimln rentrirost, Rainb. aud Pull., Rece. Anst. Mns., xii., 7, 191s, p. 167 , 口l. xxiv., fig. 120 .
(hs-Chis, the type species of the gems, was miginally recomed from Cloncmury, Centab Qusensland. Thongh varing very slighty in si\%e the two l'apuan examples of the "Chered " lixpeation pesent no distinet differences from the Cloncmur example.
11.rl.-V'apua.

> lirmis Hexathele, Alıs.s.





Olm, -If, as pointed ont in my intronluctory remarks (p.77, "ute) the


of this species in laphat is interesting. At any mate it is here tentatively recorded, for it is quite possible the specimens may have accidemly fombl their wate into the bothe of lapman material. The specimens, of which two are matme and three immatare, bean ont. L. Koelh's descriphon and fignoe, the abdominal colome pattern being equally as distinct and strongly marked in each example moder review as in the piotnre. On the other hand Hogg (supri) in his deseription of specimens examined by him says:-"Abdomen dark grey-brown above, dark but rather vellowish below, no pattern discernible." From this it wond appeat that the species is ratiable.

Huh.-: Papina.


[^0]:    

